

850 Purchase Order

Functional Group ID=**PO**

Introduction:

This standard provides the format and establishes the data contents of a purchase order transaction set. The purchase order transaction set provides for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BEG	Beginning Segment for Purchase Order	M	1		
	030	NTE	Note/Special Instruction	F	100		
Not Used	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	12		
Not Used	060	PER	Administrative Communications Contact	O	3		
Not Used	070	TAX	Tax Reference	O	3		
	080	FOB	F.O.B. Related Instructions	O	1		
Not Used	090	CTP	Pricing Information	O	25		
Not Used	100	SSS	Special Services	O	25		
Not Used	110	CSH	Header Sale Condition	O	1		
Not Used	120	ITA	Allowance, Charge or Service	O	10		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
Not Used	140	DTM	Date/Time/Period	O	10		
Not Used	150	LDT	Lead Time	O	12		
Not Used	160	SHH	General Schedule	O	5		
Not Used	170	PRN	Product ID Numbers	O	5		
Not Used	180	PID	Product/Item Description	O	200		
Not Used	190	MEA	Measurements	O	40		
Not Used	200	PWK	Paperwork	O	25		
Not Used	210	PKG	Marking, Packaging, Loading	O	25		
Not Used	220	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	230	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	240	TD3	Carrier Details (Equipment)	O	12		
Not Used	250	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	260	MAN	Marks and Numbers	O	10		
LOOP ID - N9						1000	
	270	N9	Reference Number	O	1		
	280	MSG	Message Text	O	1000		
LOOP ID - N1						200	
	290	N1	Name	O	1		

	300	N2	Additional Name Information	O	2
	310	N3	Address Information	O	2
	320	N4	Geographic Location	O	1
Not Used	330	REF	Reference Numbers	O	12
	340	PER	Administrative Communications Contact	O	3
Not Used	350	FOB	F.O.B. Related Instructions	O	1
Not Used	360	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	370	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	380	TD3	Carrier Details (Equipment)	O	12
Not Used	390	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	400	PKG	Marking, Packaging, Loading	O	25
LOOP ID - PO1					100000
Must Use	410	PO1	Purchase Order Baseline Item Data	M	1
Not Used	420	CUR	Currency	O	1
Not Used	430	PO3	Additional Item Detail	O	25
Not Used	440	CTP	Pricing Information	O	25
	450	PID	Product/Item Description	O	1000
	460	MEA	Measurements	O	40
Not Used	470	PWK	Paperwork	O	25
	480	PKG	Marking, Packaging, Loading	O	25
Not Used	490	PO4	Item Physical Details	O	1
	500	REF	Reference Numbers	O	12
Not Used	510	PER	Administrative Communications Contact	O	3
Not Used	520	SSS	Special Services	O	25
Not Used	530	ITA	Allowance, Charge or Service	O	10
Not Used	540	IT8	Conditions of Sale	O	1
Not Used	550	ITD	Terms of Sale/Deferred Terms of Sale	O	2
Not Used	560	TAX	Tax Reference	O	3
	570	FOB	F.O.B. Related Instructions	O	1
Not Used	580	SDQ	Destination Quantity	O	500
Not Used	590	IT3	Additional Item Data	O	5
	600	DTM	Date/Time/Period	O	10
	610	LDT	Lead Time	O	12
	620	SCH	Line Item Schedule	O	104
Not Used	630	TD1	Carrier Details (Quantity and Weight)	O	1
Not Used	640	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	650	TD3	Carrier Details (Equipment)	O	12
Not Used	660	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
	670	MAN	Marks and Numbers	O	10
Not Used	680	AMT	Monetary Amount	O	1
LOOP ID - SLN					1000
Not Used	690	SLN	Subline Item Detail	O	1
Not Used	700	PID	Product/Item Description	O	1000
Not Used	710	PO3	Additional Item Detail	O	104

			LOOP ID - N9		1000
Not Used	720	N9	Reference Number	O	1
Not Used	730	MSG	Message Text	O	1000
			LOOP ID - N1		200
	740	N1	Name	O	1
	750	N2	Additional Name Information	O	2
	760	N3	Address Information	O	2
	770	N4	Geographic Location	O	1
Not Used	780	REF	Reference Numbers	O	12
Not Used	790	PER	Administrative Communications Contact	O	3
Not Used	800	FOB	F.O.B. Related Instructions	O	1
Not Used	810	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	820	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	830	TD3	Carrier Details (Equipment)	O	12
Not Used	840	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	850	PKG	Marking, Packaging, Loading	O	25
Must Use	860	CTT	Transaction Totals	M	1
	870	AMT	Monetary Amount	O	1
Must Use	880	SE	Transaction Set Trailer	M	1

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:
Comments: 1 The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 850 X12.1 Purchase Order	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.)	M AN 4/9

Segment: **BEG** Beginning Segment for Purchase Order
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	BEG01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
			01 Cancellation	
			04 Change	
Must Use	BEG02	92	Purchase Order Type Code	M ID 2/2
			Code specifying the type of Purchase Order	
			<i>See block 16 of the DD Form 1155.</i>	
			NE New Order	
			RL Release (Blanket Order)	
			An order for goods and services placed against a pre-existing contract or blanket order	
Must Use	BEG03	324	Purchase Order Number	M AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser	
			<i>PIIN. Enter Contract or Purchase Order Number. Block 1 of the DD Form 1155.</i>	
	BEG04	328	Release Number	O AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
			<i>Enter SPIIN if BEG02 equals RL. Block 2 of the DD Form 1155.</i>	
Must Use	BEG05	323	Purchase Order Date	M DT 6/6
			Date assigned by the purchaser to Purchase Order	
			<i>P.O. issue date (YYMMDD). Block 3 of DD Form 1155.</i>	
	BEG06	326	Request Reference Number	O AN 1/45
			Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	

BEG07	367	Contract Number	O AN 1/30
		Contract number	
BEG08	587	Acknowledgment Type	O ID 2/2
		Code specifying the type of acknowledgment	
		AK Acknowledge - No Detail or Change	
		NA No Acknowledgment Needed	

Segment: **NTE** Note/Special Instruction
Position: 030
Loop:
Level:
Usage: Floating
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:
Semantic Notes:

Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3).	
		GEN Entire Transaction Set	
Must Use	NTE02	3 Free Form Message	M AN 1/60
		Free-form text	

Segment: **REF** Reference Numbers
Position: 050
Loop:
Level:
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128	Reference Number Qualifier	M ID 2/2
			Code qualifying the Reference Number.	
			AT Appropriation Number	
			CR Customer Reference Number	
			DS Defense Priorities Allocation System (DPAS)	
			Priority Rating	
			RQ Purchase Requisition No.	
			TN Transaction Reference Number	
	REF02	127	Reference Number	C AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	
	REF03	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **FOB** F.O.B. Related Instructions

Position: 080

Loop:

Level:

Usage: Optional

Max Use: 1

Purpose: To specify transportation instructions relating to shipment

Syntax Notes:

- 1 If FOB03 is present, then FOB02 is required.
- 2 If FOB04 is present, then FOB05 is required.
- 3 If FOB07 is present, then FOB06 is required.

Semantic Notes:

Comments:

- 1 FOB01 indicates which party will pay the carrier.
- 2 FOB02 is the code specifying transportation responsibility location.
- 3 FOB06 is the code specifying title passage location.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	FOB01	146	Shipment Method of Payment Code identifying payment terms for transportation charges DF Defined by Buyer and Seller	M ID 2/2
	FOB02	309	Location Qualifier Code identifying type of Location Identifier (310) used. DE Destination (Shipping) OR Origin (Shipping Point)	C ID 1/2
	FOB03	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
Not Used	FOB04	334	Transportation Terms Qualifier Code Code identifying the source of the transportation terms Refer to 002003 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility. Six digit codes represent INCOTERMS. Refer to 002003 Data Element Dictionary for acceptable code values.	C ID 3/6
	FOB06	309	Location Qualifier Code identifying type of Location Identifier (310) used. DE Destination (Shipping) OR Origin (Shipping Point)	C ID 1/2
	FOB07	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment: **ITD** Terms of Sale/Deferred Terms of Sale

Position: 130

Loop:

Level:

Usage: Optional

Max Use: 5

Purpose: To specify terms of sale

Syntax Notes:

- 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
- 2 If ITD08 is present, then at least one of ITD04 or ITD05 is required.
- 3 If ITD09 is present, then ITD10 is required.

Semantic Notes:

Comments:

- 1 If ITD01 equals 04 - ITD10 is required and either ITD11 or ITD12 is required.
If ITD01 equals 05 - ITD06 or ITD07 is required. If ITD01 does not equal 04 or 05 - ITD03 or ITD08 is required.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
	ITD01	336	Terms Type Code		O ID 2/2
				Code identifying type of payment terms	
				08 Basic Discount Offered	
Must Use	ITD02	333	Terms Basis Date Code		M ID 1/2
				Code identifying the beginning of the terms period	
				5 Invoice Receipt Date	
	ITD03	338	Terms Discount Percent		C R 1/6
				Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	
	ITD04	370	Terms Discount Due Date		C DT 6/6
				Date payment is due if discount is to be earned	
	ITD05	351	Terms Discount Days Due		C N0 1/3
				Number of days in the terms discount period by which payment is due if terms discount is earned	
Not Used	ITD06	446	Terms Net Due Date		C DT 6/6
				Date when total invoice amount becomes due	
	ITD07	386	Terms Net Days		C N0 1/3
				Number of days until total invoice amount is due (discount not applicable)	
Not Used	ITD08	362	Terms Discount Amount		C N2 1/10
				Total amount of terms discount	
Not Used	ITD09	388	Terms Deferred Due Date		O DT 6/6
				Date deferred payment or percent of invoice payable is due. Also see: Percent of Invoice Payable (342).	
Not Used	ITD10	389	Deferred Amount Due		C N2 1/10

			Deferred amount due for payment	
Not Used	ITD11	342	Percent of Invoice Payable	C R 1/5
			Amount of Invoice Payable expressed in percent. (re: Deferred Terms.) Also see: Terms Type Code (336.)	
Not Used	ITD12	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	ITD13	765	Day of Month	C N0 1/2
			The numeric value of the day of the month between 1 and the maximum day of the month being referenced	

Segment: **N9** Reference Number
Position: 270
Loop: N9 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier
Syntax Notes: 1 At least one of N902 or N903 is required.
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N901	128	Reference Number Qualifier Code qualifying the Reference Number. CJ Clause Number	M ID 2/2
	N902	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	C AN 1/30
Not Used	N903	369	Free-form Description Free-form descriptive text	C AN 1/45
	N904	373	Date Date (YYMMDD)	O DT 6/6
Not Used	N905	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	O TM 4/4

Segment: **MSG** Message Text
Position: 280
Loop: N9 Optional
Level:
Usage: Optional
Max Use: 1000
Purpose: To provide a free form format that would allow the transmission of text information.
Syntax Notes:
Semantic Notes:
Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer Refer to 002003 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	MSG03	363	Note Reference Code Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3). Refer to 002003 Data Element Dictionary for acceptable code values.	O ID 3/3

Segment: **N1** Name
Position: 290
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity or a physical location.	
			BY	Buying Party (Purchaser)
			OI	Outside Inspection Agency
			PR	Payer
			RE	Party to receive commercial invoice remittance
	N102	93	Name	C AN 1/35
			Free-form name	
	N103	66	Identification Code Qualifier	C ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1	Dun and Bradstreet (Credit Reporting) (DUNS)
			10	Department of Defense Activity Address Code (DODAAC)
			92	Assigned by Buyer
	N104	67	Identification Code	C ID 2/17
			Code identifying a party.	

Segment: **N2** Additional Name Information
Position: 300
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N201	93	Name	M AN 1/35
			Free-form name	
	N202	93	Name	O AN 1/35
			Free-form name	

Segment: **N3** Address Information
Position: 310
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N301	166	Address Information Free-form field for address information.	M AN 1/35
	N302	166	Address Information Free-form field for address information.	O AN 1/35

Segment: **N4 Geographic Location**

Position: 320

Loop: N1 Optional

Level:

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

Syntax Notes:

- 1 At least one of N401 or N405 is required.
- 2 If N401 is present, then N402 is required.
- 3 If either N405 or N406 is present, then the other is required.

Semantic Notes:

Comments:

- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
- 2 N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name Free-form text for city name	C AN 2/19
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	C ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 5/9
N404	26	Country Code Code identifying the country	O ID 2/2
Not Used	N405	309 Location Qualifier Code identifying type of Location Identifier (310) used. Refer to 002003 Data Element Dictionary for acceptable code values.	C ID 1/2
Not Used	N406	310 Location Identifier Code which identifies a specific location	C AN 1/25

Segment: **PER** Administrative Communications Contact

Position: 340

Loop: N1 Optional

Level:

Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes: 1 If PER03 is present, then PER04 is required.

Semantic Notes:

Comments: 1 This segment is used to specify who is to be contacted on various conditions related to the transaction. The term "Communication" in the title and purpose relates to interpersonal communications, not network or telecommunications contacts.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		BD Buyer Name or Department	
		OC Order Contact	
	PER02	93 Name	O AN 1/35
		Free-form name	
	PER03	365 Communication Number Qualifier	O ID 2/2
		Code identifying the type of communication number	
		FX Facsimile	
		TE Telephone	
	PER04	364 Communication Number	C AN 7/21
		Complete communications number including country or area code when applicable. Also see: Communications Number Qualifier (365).	
Not Used	PER05	326 Request Reference Number	O AN 1/45
		Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	

Segment:	PO1	Purchase Order Baseline Item Data
Position:	410	
Loop:	PO1	Mandatory
Level:		
Usage:	Mandatory	
Max Use:	1	
Purpose:	To specify basic and most frequently used purchase order line item data	
Syntax Notes:	<ol style="list-style-type: none"> 1 If PO105 is present, then PO104 is required. 2 If PO106 is present, then PO107 is required. 3 If PO108 is present, then PO109 is required. 4 If PO110 is present, then PO111 is required. 5 If PO112 is present, then PO113 is required. 6 If PO114 is present, then PO115 is required. 7 If PO116 is present, then PO117 is required. 8 If PO118 is present, then PO119 is required. 9 If PO120 is present, then PO121 is required. 10 If PO122 is present, then PO123 is required. 11 If PO124 is present, then PO125 is required. 	
Semantic Notes:		
Comments:	<ol style="list-style-type: none"> 1 See the Data Dictionary for a complete list of ID's. 2 PO101 is the line item identification. 3 PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU. 	

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PO101	350	Assigned Identification	M AN 1/6
			Alphanumeric characters assigned for differentiation within a transaction set	
			<i>Purchase requisition Line Item number.</i>	
Must Use	PO102	330	Quantity Ordered	M R 1/9
			Quantity ordered	
Must Use	PO103	355	Unit or Basis for Measurement Code	M ID 2/2
			Code identifying the basic unit of measurement.	
			<i>Some codes must be mutually agreed upon. DoD Manual 5000.12-M and ASX 12 dictionary must be reconciled. Use "ZZ" for conflicting codes.</i>	
			Refer to 002003 Data Element Dictionary for acceptable code values.	
	PO104	212	Unit Price	C R 1/14
			Price per unit of product, service, commodity, etc.	
	PO105	639	Basis of Unit Price Code	O ID 2/2
			Code identifying the type of unit price for an item	

		CT	Contract	
		ES	Estimated	
		NE	Not to Exceed	
		QT	Quoted	
PO106	235	Product/Service ID Qualifier		O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		FS	Federal Stock Classification and/or National Stock Number	
PO107	234	Product/Service ID		C AN 1/30
		Identifying number for a product or service		
PO108	235	Product/Service ID Qualifier		O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		PD	Part Number Description	
PO109	234	Product/Service ID		C AN 1/30
		Identifying number for a product or service		
PO110	235	Product/Service ID Qualifier		O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		CG	Commodity Grouping	
PO111	234	Product/Service ID		C AN 1/30
		Identifying number for a product or service		
PO112	235	Product/Service ID Qualifier		O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		VP	Vendor's (Seller's) Part Number	
PO113	234	Product/Service ID		C AN 1/30
		Identifying number for a product or service		
Not Used	PO114	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	PO115	234	Product/Service ID	C AN 1/30
		Identifying number for a product or service		
Not Used	PO116	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 002003 Data Element Dictionary for acceptable code values.		
Not Used	PO117	234	Product/Service ID	C AN 1/30
		Identifying number for a product or service		

Not Used	PO118	235	Product/Service ID Qualifier	O ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Refer to 002003 Data Element Dictionary for acceptable code values.	
Not Used	PO119	234	Product/Service ID	C AN 1/30
			Identifying number for a product or service	
Not Used	PO120	235	Product/Service ID Qualifier	O ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Refer to 002003 Data Element Dictionary for acceptable code values.	
Not Used	PO121	234	Product/Service ID	C AN 1/30
			Identifying number for a product or service	
Not Used	PO122	235	Product/Service ID Qualifier	O ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Refer to 002003 Data Element Dictionary for acceptable code values.	
Not Used	PO123	234	Product/Service ID	C AN 1/30
			Identifying number for a product or service	
Not Used	PO124	235	Product/Service ID Qualifier	O ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Refer to 002003 Data Element Dictionary for acceptable code values.	
Not Used	PO125	234	Product/Service ID	C AN 1/30
			Identifying number for a product or service	

Segment: **PID** **Product/Item Description**

Position: 450

Loop: PO1 Mandatory

Level:

Usage: Optional

Max Use: 1000

Purpose: To describe a product or process in coded or free-form format

Syntax Notes: 1 If PID03 is present, then PID04 is required.

2 At least one of PID04 or PID05 is required.

Semantic Notes:

Comments: 1 Use PID03 to indicate the organization that publishes the code list being referred to.

2 PID04 should be used for industry-specific product description codes.

3 Use PID06 when necessary to refer to the product surface or layer being described in the segment.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
Not Used	PID02	750	Product/Process Characteristic Code Code specifying the product or process characteristic being described. Refer to 002003 Data Element Dictionary for acceptable code values.	O ID 2/3
Not Used	PID03	348	Item Description Qualifier Code identifying agency responsible for the code used. Refer to 002003 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic. Also see: Item Description Qualifier (348).	C ID 1/12
	PID05	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80
Not Used	PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described Refer to 002003 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **MEA** Measurements
Position: 460
Loop: PO1 Mandatory
Level:
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements, including dimension tolerances, weights and counts.

Syntax Notes:
Semantic Notes:

Comments: 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
MEA01	737	Measurement Reference ID Code		O ID 2/2
			Code specifying the application of physical measurement cited.	
		CT	Counts	
MEA02	738	Measurement Qualifier		O ID 1/3
			Code identifying the type of measurement.	
		PO	Percent of Order (-, +)	
			Expression of allowable variance of order expressed either as absolute (for example 92% to 110%) or relative percent (for example - 8% to + 10%)	
Not Used	MEA03	739	Measurement Value	C R 1/10
			The value of the measurement	
	MEA04	355	Unit or Basis for Measurement Code	O ID 2/2
			Code identifying the basic unit of measurement.	
		P1	Percent	
	MEA05	740	Range Minimum	C R 1/10
			The value specifying the minimum of the measurement range	
	MEA06	741	Range Maximum	C R 1/10
			The value specifying the maximum of the measurement range	
Not Used	MEA07	935	Measurement Significance Code	C ID 2/2
			Code used to benchmark, qualify or further define a measurement value	
			Refer to 002003 Data Element Dictionary for acceptable code values.	
Not Used	MEA08	936	Measurement Attribute Code	C ID 2/2
			Code used to express an attribute response when a numeric measurement value cannot be determined	
			Refer to 002003 Data Element Dictionary for acceptable code values.	

Not Used	MEA09	752	Surface/Layer/Position Code	C ID 2/2
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Code indicating the product surface, layer or position that is being described

Refer to 002003 Data Element Dictionary for acceptable code values.

Segment: **PKG** **Marking, Packaging, Loading**

Position: 480

Loop: PO1 Mandatory

Level:

Usage: Optional

Max Use: 25

Purpose: To describe marking, packaging, loading, and unloading requirements

Syntax Notes:

- 1 If PKG03 is present, then PKG04 is required.
- 2 At least one of PKG04 or PKG05 is required.

Semantic Notes:

Comments:

- 1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
- 2 Use PKG03 to indicate the organization that publishes the code list being referred to.
- 3 PKG04 should be used for industry-specific packaging description codes.
- 4 Special marking or tagging data can be given in PKG05 (description).

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	PKG01	349	Item Description Type	M ID 1/1
			Code indicating the format of a description	
			F Free-form	
	PKG02	753	Packaging Characteristic Code	O ID 1/5
			Code specifying the marking, packaging, loading and related characteristics being described	
			36 Package Specifications	
	PKG03	348	Item Description Qualifier	O ID 2/2
			Code identifying agency responsible for the code used.	
			ZZ Mutually Defined	
	PKG04	754	Packaging Description Code	C ID 1/7
			A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product. Also see: Item Description Qualifier (348).	
	PKG05	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **REF** Reference Numbers
Position: 500
Loop: PO1 Mandatory
Level:
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Number Qualifier	M ID 2/2
			Code qualifying the Reference Number.	
			AT Appropriation Number	
			CR Customer Reference Number	
			<i>Indicates aircraft applicability.</i>	
			RQ Purchase Requisition No.	
	REF02	127	Reference Number	C AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	
	REF03	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **FOB F.O.B. Related Instructions**

Position: 570

Loop: PO1 Mandatory

Level:

Usage: Optional

Max Use: 1

Purpose: To specify transportation instructions relating to shipment

Syntax Notes:

- 1 If FOB03 is present, then FOB02 is required.
- 2 If FOB04 is present, then FOB05 is required.
- 3 If FOB07 is present, then FOB06 is required.

Semantic Notes:

Comments:

- 1 FOB01 indicates which party will pay the carrier.
- 2 FOB02 is the code specifying transportation responsibility location.
- 3 FOB06 is the code specifying title passage location.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	FOB01	146	Shipment Method of Payment Code identifying payment terms for transportation charges PP Prepaid (by Seller) ZZ Mutually Defined	M ID 2/2
	FOB02	309	Location Qualifier Code identifying type of Location Identifier (310) used. DE Destination (Shipping) OR Origin (Shipping Point)	C ID 1/2
	FOB03	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
Not Used	FOB04	334	Transportation Terms Qualifier Code Code identifying the source of the transportation terms Refer to 002003 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility. Six digit codes represent INCOTERMS. Refer to 002003 Data Element Dictionary for acceptable code values.	C ID 3/6
	FOB06	309	Location Qualifier Code identifying type of Location Identifier (310) used. DE Destination (Shipping) OR Origin (Shipping Point)	C ID 1/2
	FOB07	352	Description A free-form description to clarify the related data elements and their	O AN 1/80

content

Segment: **DTM** Date/Time/Period
Position: 600
Loop: PO1 Mandatory
Level:
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 or DTM03 is required.
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 075 Promised for Delivery (Prior to and Including)	M ID 3/3
	DTM02	373	Date Date (YYMMDD)	C DT 6/6
Not Used	DTM03	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	C TM 4/4
Not Used	DTM04	623	Time Code Code qualifying the time zone. Refer to 002003 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **LDT** Lead Time
Position: 610
Loop: PO1 Mandatory
Level:
Usage: Optional
Max Use: 12
Purpose: To specify lead time for availability of products and services
Syntax Notes:
Semantic Notes:
Comments: 1 LDT04 is the effective date of lead time information.

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LDT01	345	Lead Time Code	M ID 2/2
			Code indicating the time range	
			AA From date of PO receipt to sample ready	
			<i>Indicated delivery shedule for "First Article".</i>	
			AF From date of PO receipt to delivery	
Must Use	LDT02	380	Quantity	M R 1/10
			Numeric value of Quantity. Also see: Unit of Measurement Code (355).	
Must Use	LDT03	344	Unit of Time Period or Interval	M ID 2/2
			Code indicating the time period or interval	
			DA Calendar Days	
Not Used	LDT04	373	Date	O DT 6/6
			Date (YYMMDD)	

Segment: **SCH** Line Item Schedule

Position: 620

Loop: PO1 Mandatory

Level:

Usage: Optional

Max Use: 104

Purpose: To specify the data for scheduling a specific line-item

Syntax Notes: 1 If SCH04 is present, then SCH05 is required.

2 If SCH10 is present, then SCH09 is required.

Semantic Notes:

Comments: 1 SCH06 specifies the interpretation to be used for SCH07 and SCH08.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SCH01	380	Quantity		M R 1/10
				Numeric value of Quantity. Also see: Unit of Measurement Code (355).	
Must Use	SCH02	355	Unit or Basis for Measurement Code		M ID 2/2
				Code identifying the basic unit of measurement.	
				<i>DoD uses DoD 5000.12M for unit measure code. Some of these codes conflict with ASC X12 DE355. Use "ZZ" for these conflicting codes after reaching agreement with trading partner.</i>	
				Refer to 002003 Data Element Dictionary for acceptable code values.	
	SCH03	352	Description		O AN 1/80
				A free-form description to clarify the related data elements and their content	
	SCH04	98	Entity Identifier Code		O ID 2/2
				Code identifying an organizational entity or a physical location.	
			ST	Ship To	
	SCH05	93	Name		C AN 1/35
				Free-form name	
Must Use	SCH06	374	Date/Time Qualifier		M ID 3/3
				Code specifying type of date or time, or both date and time	
				Refer to 002003 Data Element Dictionary for acceptable code values.	
Must Use	SCH07	373	Date		M DT 6/6
				Date (YYMMDD)	
Not Used	SCH08	337	Time		O TM 4/4
				Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	
Not Used	SCH09	374	Date/Time Qualifier		C ID 3/3
				Code specifying type of date or time, or both date and time	
				Refer to 002003 Data Element Dictionary for acceptable code values.	

Not Used	SCH10	373	Date	C DT 6/6
			Date (YYMMDD)	
Not Used	SCH11	337	Time	O TM 4/4
			Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	

Segment: **MAN** Marks and Numbers
Position: 670
Loop: PO1 Mandatory
Level:
Usage: Optional
Max Use: 10
Purpose: To indicate identifying marks and numbers for shipping containers
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MAN01	88	Marks and Numbers Qualifier	M ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			<i>Use this code to indicate "Mark For" instructions in addition to "Ship To".</i>	
			L	Line Item Only
Must Use	MAN02	87	Marks and Numbers	M AN 1/45
			Marks and numbers used to identify a shipment or parts of a shipment.	
			Also see: Marks and Numbers Qualifier (88).	

Segment: **N1** Name
Position: 740
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity or a physical location.	
			ST Ship To	
	N102	93	Name	C AN 1/35
			Free-form name	
	N103	66	Identification Code Qualifier	C ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1 Dun and Bradstreet (Credit Reporting) (DUNS)	
			10 Department of Defense Activity Address Code (DODAAC)	
			92 Assigned by Buyer	
	N104	67	Identification Code	C ID 2/17
			Code identifying a party.	

Segment: **N2** Additional Name Information
Position: 750
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N201	93	Name	M AN 1/35
			Free-form name	
	N202	93	Name	O AN 1/35
			Free-form name	

Segment: **N3** Address Information
Position: 760
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N301	166	Address Information Free-form field for address information.	M AN 1/35
	N302	166	Address Information Free-form field for address information.	O AN 1/35

Segment: **N4 Geographic Location**

Position: 770

Loop: N1 Optional

Level:

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

Syntax Notes:

- 1 At least one of N401 or N405 is required.
- 2 If N401 is present, then N402 is required.
- 3 If either N405 or N406 is present, then the other is required.

Semantic Notes:

Comments:

- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
- 2 N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name Free-form text for city name	C AN 2/19
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	C ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 5/9
N404	26	Country Code Code identifying the country	O ID 2/2
Not Used	N405	309 Location Qualifier Code identifying type of Location Identifier (310) used. Refer to 002003 Data Element Dictionary for acceptable code values.	C ID 1/2
Not Used	N406	310 Location Identifier Code which identifies a specific location	C AN 1/25

Segment: **CTT Transaction Totals**

Position: 860

Loop:

Level:

Usage: Mandatory

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set

Syntax Notes: 1 If CTT03 is present, then CTT04 is required.

2 If CTT05 is present, then CTT06 is required.

Semantic Notes:

Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	CTT01	354 Number of Line Items Total number of line items in the transaction set	M N0 1/6
Not Used	CTT02	347 Hash Total Sum of values of the specific data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the leftmost digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three digit field.	O R 1/10
Not Used	CTT03	81 Weight Numeric value of weight. Also see: Weight Qualifier (187), Weight Unit Qualifier (188), Unit of Measurement Code (355.)	O R 1/8
Not Used	CTT04	355 Unit or Basis for Measurement Code Code identifying the basic unit of measurement. Refer to 002003 Data Element Dictionary for acceptable code values.	C ID 2/2
Not Used	CTT05	183 Volume Value of volumetric measure. Also see: Volume Unit Qualifier (184), Unit of Measurement Code (355.)	O R 1/8
Not Used	CTT06	355 Unit or Basis for Measurement Code Code identifying the basic unit of measurement. Refer to 002003 Data Element Dictionary for acceptable code values.	C ID 2/2
Not Used	CTT07	352 Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment: **AMT** Monetary Amount
Position: 870
Loop:
Level:
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments: 1 If AMT is used in the detail area of transaction set 850, 855, 860 or 865, AMT02 will indicate total line amount. If AMT is used in the summary area of transaction set 850, 855, 860 or 865, AMT02 will indicate total transaction amount.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	AMT01	522	Amount Qualifier Code Code to qualify amount Refer to 002003 Data Element Dictionary for acceptable code values.	M ID 1/2
Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/15

Segment: **SE** Transaction Set Trailer
Position: 880
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments	M N0 1/6
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.)	